

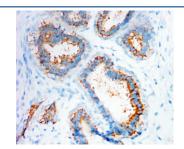
# CXCR4 Antibody (R30338)

Catalog No.	Formulation	Size
R30338	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P61073
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This CXCR4 antibody is available for research use only.

kDa 200 –	Western blot testing of CXCR4 antibody and HeLa cell lysate. Predicted molecular
116 – 97 –	weight ~40 kDa but may be observed at higher molecular weights due to glycosylation.
66	
44 –	
31 —	
22 –	
14	
6	



IHC-P: CXCR4 antibody testing of human mammary cancer tissue.

#### **Description**

Chemokine CXC Motif Receptor 4 is the receptor for the CXC chemokine SDF1 that has essential functions on embryo organogenesis, immunological functions and T lymphocyte trafficking. It is the only SDF1 receptor identified so far. This suggests that expression is critical for the biological effects of SDF1. CXCR4 is a seven-transmembrane-spanning, G-protein-coupled receptor for the CXC chemokine PBSF/SDF-1, it functions as a co-receptor for T-cell-line tropic human immunodeficiency virus HIV-1. Tachibana et al.(1998) conclude that PBSF/SDF-1 and CXCR4 define a new signalling system for organ vascularization.

#### **Application Notes**

The stated application concentrations are suggested starting points. Titration of the CXCR4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

### **Immunogen**

An amino acid sequence from the N-terminus of the human protein (SGDYDSMKEPCFREEN) was used as the immunogen for this CXCR4 antibody.

#### **Storage**

After reconstitution, the CXCR4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.